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# Veriton 5100
# User's guide

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Veriton 5100
User's guide

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Record the model number, serial number, purchase date, and place of purchase information in the space provided below. The serial number and model number are recorded on the label affixed to your computer. All correspondence concerning your unit should include the serial number, model number, and purchase information.

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# Notices

## FCC notice

This device has been tested and found to comply with the limits for a Class B digital device pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This device generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this device does cause harmful interference to radio or television reception, which can be determined by turning the device off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna
- Increase the separation between the device and receiver
- Connect the device into an outlet on a circuit different from that to which the receiver is connected
- Consult the dealer or an experienced radio/television technician for help

Notice: Shielded cables

All connections to other computing devices must be made using shielded cables to maintain compliance with FCC regulations.

Notice: Peripheral devices

Only peripherals (input/output devices, terminals, printers, etc.) certified to comply with the Class B limits may be attached to this equipment. Operation with noncertified peripherals is likely to result in interference to radio and TV reception.

Caution! Changes or modifications not expressly approved by the manufacturer could void the user's authority, which is granted by the Federal Communications Commission, to operate this computer.

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Use conditions

This part complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Notice: Canadian users

This Class B digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations.

Remarque à l'intention des utilisateurs canadiens

Cet appareil numérique de la classe B respected toutes les exigences du Règlement sur le matériel brouilleur du Canada.

# Important safety instructions

Read these instructions carefully. Save these instructions for future reference.

1. Follow all warnings and instructions marked on the product.
2. Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.
3. Do not use this product near water.
4. Do not place this product on an unstable cart, stand, or table. The product may fall, causing serious damage to the product.
5. Slots and openings in the cabinet and the back or bottom are provided for ventilation; to ensure reliable operation of the product and to protect it from overheating, these openings must not be blocked or covered. The openings should never be blocked by placing the product on a bed, sofa, rug, or other similar surface. This product should never be placed near or over a radiator or heat register, or in a built-in installation unless proper ventilation is provided.
6. This product should be operated from the type of power indicated on the marking label. If you are not sure of the type of power available, consult your dealer or local power company.

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7. Do not allow anything to rest on the power cord. Do not locate this product where persons will walk on the cord.
8. If an extension cord is used with this product, make sure that the total ampere rating of the equipment plugged into the extension cord does not exceed the extension cord ampere rating. Also, make sure that the total rating of all products plugged into the wall outlet does not exceed the fuse rating.
9. Never push objects of any kind into this product through cabinet slots as they may touch dangerous voltage points or short out parts that could result in a fire or electric shock. Never spill liquid of any kind on the product.
10. Do not attempt to service this product yourself, as opening or removing covers may expose you to dangerous voltage points or other risks. Refer all servicing to qualified service personnel.
11. Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions:
    a. When the power cord or plug is damaged or frayed
    b. If liquid has been spilled into the product
    c. If the product has been exposed to rain or water
    d. If the product does not operate normally when the operating instructions are followed. Adjust only those controls that are covered by the operating instructions since improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to normal condition.
    e. If the product has been dropped or the cabinet has been damaged
    f. If the product exhibits a distinct change in performance, indicating a need for service.
12. Replace the battery with the same type as the product's battery we recommend. Use of another battery may present a risk of fire or explosion. Refer battery replacement to a qualified serviceman.
13. Warning! Batteries may explode if not handled properly. Do not disassemble or dispose of them in fire. Keep them away from children and dispose of used batteries promptly.

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14. Use only the proper type of power supply cord set (provided in your accessories box) for this unit. It should be a detachable type: UL listed/CSA certified, type SPT-2, rated 7A 125V minimum, VDE approved or its equivalent. Maximum length is 15 feet (4.6 meters).

## Laser compliance statement

The CD-ROM drive in this computer is a laser product. The CD-ROM drive's classification label (shown below) is located on the drive.

CLASS 1 LASER PRODUCT
CAUTION: INVISIBLE LASER RADIATION WHEN OPEN. AVOID EXPOSURE TO BEAM.

APPAREIL A LASER DE CLASSE 1 PRODUIT
LASERATTENTION: RADIATION DU FAISCEAU LASER INVISIBLE EN CAS D'OUVERTURE. EVITTER TOUTE EXPOSITION AUX RAYONS.

LASER KLASSE 1
VORSICHT: UNSICHTBARE LASERSTRAHLUNG, WENN ABDECKUNG GEÖFFNET, NICHT DEM STRAHLL AUSSETZEN

PRODUCTO LÁSER DE LA CLASE I
ADVERTENCIA: RADIACIÓN LÁSER INVISIBLE AL SER ABIERTO. EVITE EXPONERSE A LOS RAYOS.

ADVARSEL: LASERSTRÅLING VEDÅBNING SE IKKE IND I STRÅLEN

VARO! LAVATTAESSA OLET ALTTINA LASERSÅTEILYLLE.
VARNING: LASERSTRÅLNING NÅR DENNA DEL ÅR ÖPPNAD ÅLÅ TUIJOTA SÅTEESEENSTIRRA EJ IN I STRÅLEN

VARNING: LASERSTRÅLNING NAR DENNA DEL ÅR ÖPPNADSTIRRA EJ IN I STRÅLEN

ADVARSEL: LASERSTRÅLING NAR DEKSEL ÅPNESSTIRR IKKE INN I STRÅLEN

## Lithium battery statement

CAUTION
Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type recommended by the manufacturer. Discard used batteries according to the manufacturer's instructions.

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ADVARSEL!
Lithiumbatteri - Eksplosionsfare ved fejlagtig håndtering. Udskiftning må kun ske med batteri af samme fabrikat og type. Léver det brugte batteri tilbage til leverandøren.

ADVARSEL
Eksplosjonsfare ved feilaktig skifte av batteri. Benytt samme batteritype eller en tilsvarende type anbefalt av apparatfabrikanten. Brukte batterier kasseres i henhold til fabrikantens instruksjoner.

VARNING
Explosionsfara vid felaktigt batteribyte. Använd samma batterityp eller en ekvivalent typ som rekommenderas av apparattillverkaren. Kassera använt batteri enligt fabrikantens instruktion.

VAROITUS
Päristo voi räjähtää, jos se on virheellisesti asennettu. Vaihda paristo ainoastaan laitevalmistajan suosittelemaan tyyppiin. Hävitä käytetty paristo valmistajan ohjeiden mukaisesti.

VORSICHT!
Explosionsgefahr bei unsachgemäßen Austausch der Batterie Ersatz nur durch denselben oder einem vom Hersteller empfohlenem ähnlichen Typ. Entsorgung gebrauchter Batterien nach Angaben des Herstellers.

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# 1 First things first

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This chapter describes the contents of your computer package and also provides important tips on how to take care of your computer.

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# Package contents

Before you unpack your computer, make sure that you have enough space to set up your computer.

Carefully unpack the carton and remove the contents. If any of the following items are missing or damaged, contact your dealer immediately:

- Veriton 5100
- Items contained in the accessory box
  - USB keyboard
  - USB mouse
  - Power cable
- User's guide and installation poster
- Other user documentation and third-party software

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# Taking care of your computer

Please read the important instructions listed in this section. Following these instructions will help you maximize the durability of your computer.

## Important tips

- Do not expose the computer to direct sunlight. Do not place it near sources of heat, such as a radiator.
- Do not subject the computer to magnetic fields.
- Do not expose the computer to rain or moisture.
- Do not spill water on the computer.
- Do not subject the computer to heavy shock or vibration.
- Do not expose the computer to dust and dirt.
- Never place the system on uneven surfaces.
- Do not step on the power cord or place heavy objects on top of it. Carefully route the power cord and any cables away from personal traffic.
- When unplugging the power cord, do not pull on the cord itself but pull on the plug.
- The total ampere rating of the equipment plugged in should not exceed the ampere rating of the cord if you are using an extension cord. Also, the total current rating of all equipment plugged into a single wall outlet should not exceed the fuse rating.
- Check the documentation that came with your software programs to see if you can select other combinations of resolution and color. These adjustments could make viewing the screen more comfortable.

## Cleaning and servicing

### To clean your computer and keyboard

1. Turn off the computer and unplug the power cord.

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2. Use a soft cloth moistened with water and gently wipe the exterior of the computer and the keyboard. Do not use liquid or aerosol cleaners.

### To clean your mouse

1. Open the circular cover underneath the mouse.
2. Take out the rubber ball and wipe it with a soft, damp cloth.
3. Put the ball back and close the cover.

### To clean your monitor

Make sure that you keep your screen clean. For cleaning instructions, refer to the documentation that came with your monitor.

### When to contact a service technician

- If you dropped and damaged the computer.
- If liquid has been spilled into the computer.
- If the computer is not operating normally.

## Asking for technical assistance

For technical assistance, contact your local dealer or distributor. You may also access the Acer Web site at http://www.acer.com/ for information on how and where to contact the service centers available in your area.

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# Accessing the online manual

You may also refer to the Veriton 5100 online manual for information about your computer. To access the online manual, simply double-click on the Veriton 5100 Online icon on your Windows desktop.

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# 2 System tour

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This chapter discusses the features and components of your computer.

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# Features

Here are just a few of your computer's many features:

## Performance

- Intel Pentium® III processor with integrated L2 cache memory in Flip Chip (FC)-PGA 370 socket form factor
- Expandable system memory to a maximum of 512 MB
- Power management function
- 3.5-inch floppy disk drive
- CD-ROM/DVD-ROM drive
- High-capacity, Enhanced-IDE hard disk

**Note:** Due to a chipset limitation you can only use two DIMM sockets (DIMM1 and DIMM2) when you install a 133 MHZ front side bus CPU. If you install a 100 MHz front side bus CPU then you can use all of the DIMM sockets.

## Multimedia

- 128-bit graphics accelerator onboard with an additional AGP card slot

**Note:** The onboard VGA function will automatically be disabled when you install an AGP VGA card in the AGP slot.

- 3-D quality audio system via onboard audio controller
- Supports CRT (cathode-ray tube) monitor
- Audio-in/Line-in, Audio-out/Line-out, Headphone-out, Mic-in, and Game/MIDI interfaces

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**Note:** The system has two microphone-in ports (front and rear). However, you can not use both of them at the same time. The default setting for your system enables the microphone-in port at the back and disables the one in front. You have to enable the front microphone-in port (see page 43) to be able to use it.

## Connectivity

- PS/2 mouse and keyboard interface
- One serial and one parallel interface
- Universal Serial Bus (USB) ports (available on front and rear panels)
- High-speed fax/data PCI modem (optional)
- 10Base-T/100Base-TX network support with remote wake-up function

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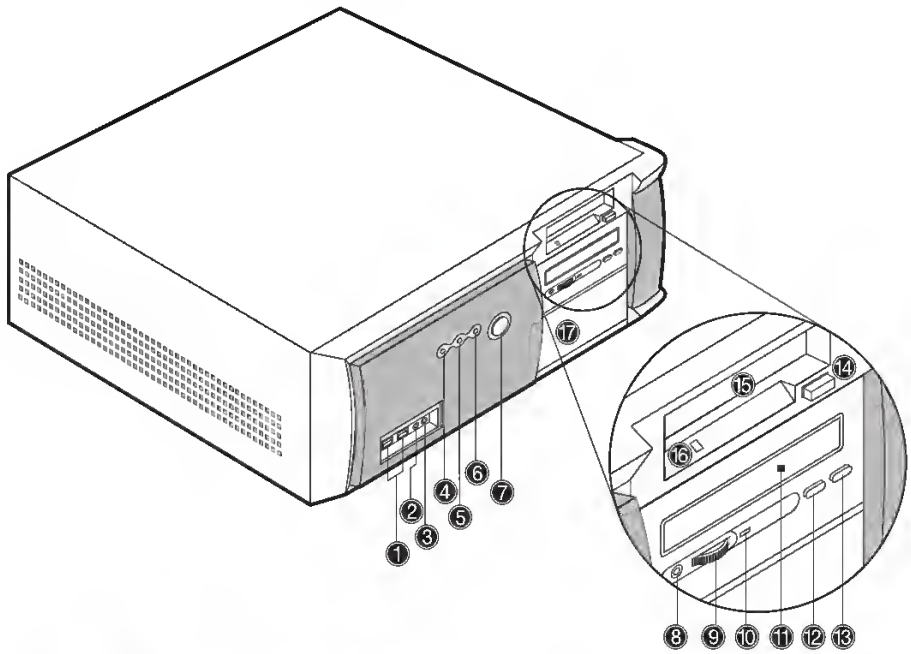
# Front panel

Your computer's front panel consists of the following:




| Label | Icon | Component |
|---|---|---|
| 1 | | USB ports |
| 2 | | Microphone-in port* |
| 3 | | Speaker-out/Line-out port |
| 4 | | Hard disk drive activity light-emitting diode (LED) |
| 5 | | System activity LED |
| 6 | | Power LED |

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| Label | Icon | Component |
|---|---|---|
| 7 | | Power switch |
| 8 | | CD-ROM/DVD-ROM Headphone/ Earphone port |
| 9 | | Volume tuner |
| 10 | | CD-ROM/DVD-ROM LED |
| 11 | | CD-ROM/DVD-ROM tray |
| 12 | | Fast forward/Skip button |
| 13 | | Stop/Eject button |
| 14 | | Floppy disk drive eject button |
| 15 | | 3.5-inch floppy disk drive |
| 16 | | Floppy diwk drive LED |
| 17 | | 5.25-inch drive bays |

* The system has two microphone-in ports (front and rear). However, you can not use both of them at the same time. The default setting for your system enables the microphone-in port at the back and disables the one in front. You have to enable the front microphone-in port (see page 43) to be able to use it.

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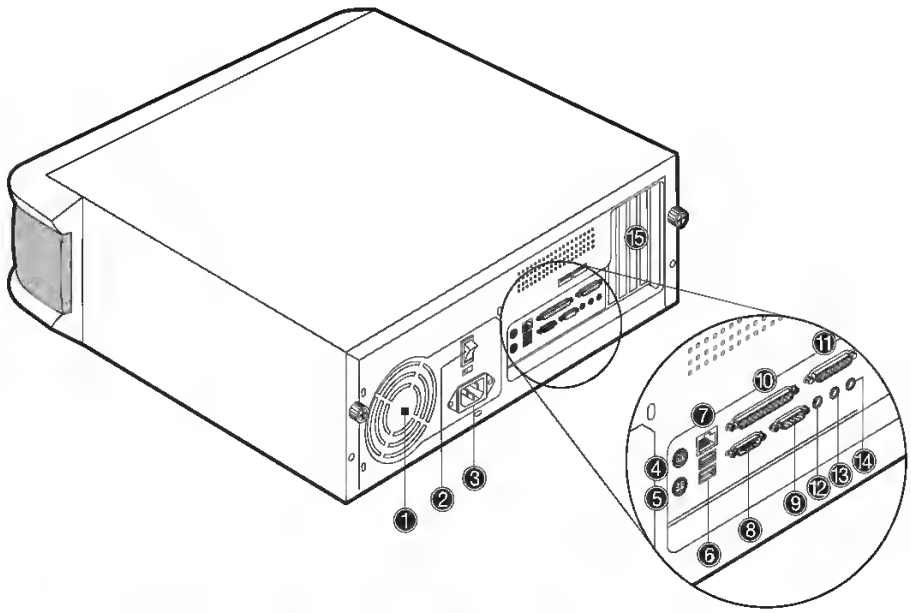
# Rear panel

Your computer's rear panel consists of the following:




| Label | Icon | Color | Component |
|---|---|---|---|
| 1 | | | Power supply |
| 2 | | | Power switch |
| 3 | | | Power cord socket |
| 4 | | Green | PS/2 mouse port |
| 5 | | Purple | PS/2 keyboard port |
| 6 | | Black | USB ports |

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| Label | Icon | Color | Component |
|---|---|---|---|
| 7 | | White | Network port |
| 8 | | Teal or Turquoise | Serial port |
| 9 | | Blue | CRT/LCD monitor port |
| 10 | | Burgundy | Parallel/Printer port |
| 11 | | Gold | Game/MIDI port |
| 12 | | Lime | Audio-out/Line-out jack |
| 13 | | Light blue | Audio-in/Line-in jack |
| 14 | | | Microphone-in port* |
| 15 | | | Expansion slots |

* The system has two microphone-in ports (front and rear). However, you can not use both of them at the same time. The default setting for your system enables the microphone-in port at the back and disables the one in front. You have to enable the front microphone-in port (see page 43) to be able to use it.

For information on how to connect the peripherals, see “Connecting peripherals” on page 27 and “Connecting options” on page 38.

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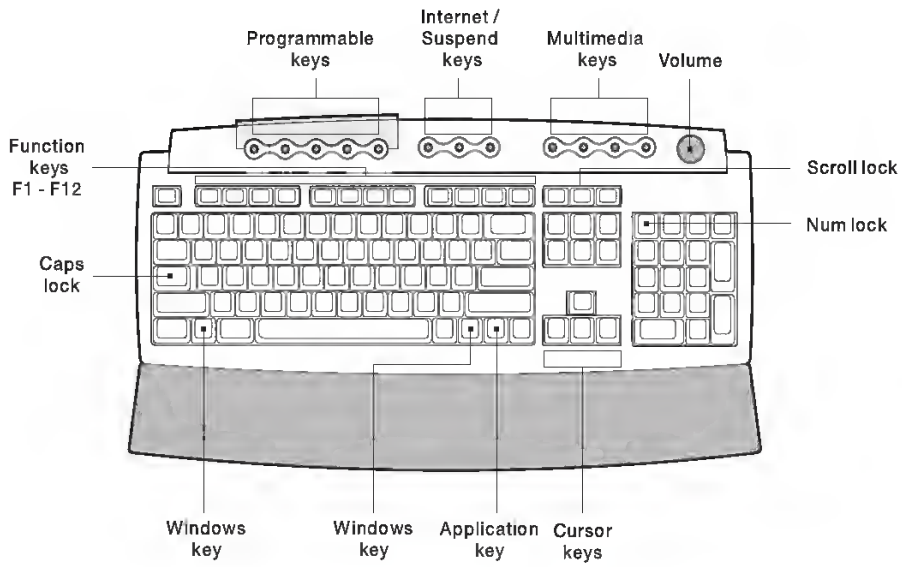
# Keyboard

The keyboard that came with your computer has full-sized keys that include separate cursor keys, two Windows keys, and twelve function keys.




## Programmable keys

The programmable keys help you directly access a URL (Web site) or launch any program, file, or application in your system. The fifth key is set to launch the media player. If you want to configure the settings of each key, right click on the Magic Keyboard icon located in your Windows desktop.

## Internet/Suspend keys

The Internet/Suspend keys consist of three buttons:

| Icon | Key | Description |
|---|---|---|
| | Email | Launches your email application. |

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| Icon | Key | Description |
|---|---|---|
| WWW | Web browser | Launches your current default browser. |
| /Z$^z$ | Suspend/ Resume | Press this button to put the system to sleep. Press again to wake the system up. |

## Multimedia keys

The multimedia keys Allow you to play, pause, stop, step forward, or step back a song or movie conveniently using your keyboard.

| Icon | Key | Description |
|---|---|---|
| ▶▶/ ⏸ | Play/ Pause | Press to start playing an audio or video file. Press again to pause. |
| ■ | Stop | Press to stop playing the audio or video file. |
| ▶▶\| | Forward | Press to skip forward to the next file and start playing. |
| \|◀◀ | Backward | Press to skip backward to the previous file and start playing. |

## Volume control/Mute

The volume control/mute knob controls the speaker volume. Turn it clockwise or counterclockwise to adjust the volume. Press it to toggle between mute and sound.

## Cursor keys

The cursor keys, also called the arrow keys, let you move the cursor around the screen. They serve the same function as the arrow keys on the numeric keypad when the Num Lock is toggled off.

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# Lock keys

The keyboard has three lock keys which you can toggle on and off to switch between two functions.

| Lock Key | Description |
|---|---|
| Caps Lock | When activated, all alphabetic characters typed appear in uppercase (same function as pressing Shift + <letter>). |
| Num Lock | When activated, the keypad is set to numeric mode; i.e., the keys function as a calculator (complete with arithmetic operators such as +, -, *, and /). |
| Scroll Lock | When activated, the screen moves one line up or down when you press the up arrow or down arrow respectively. Take note that Scroll Lock may not work with some applications. |

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# Windows keys

The keyboard has two keys that perform Windows-specific functions.

| Key | Description |
|---|---|
| Windows logo key | Start button. Combinations with this key perform special functions, such as:<br>• Windows + Tab: Activate the next Taskbar button<br>• Windows + E: Explore My Computer<br>• Windows + F: Find Document<br>• Windows + M: Minimize All<br>• Shift + Windows + M: Undo Minimize All<br>• Windows + R: Display Run dialog box |
| Application key | Opens the applications context menu (same function as clicking the right button of the mouse). |

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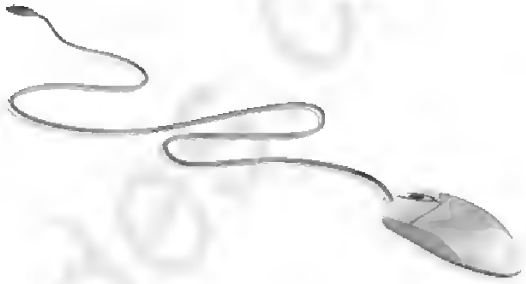
# Mouse

Your mouse has one ratchet wheel and two buttons: a left button and a right button. Quickly pressing and releasing the buttons is called clicking. Sometimes, you will need to do a double-click (clicking the same button twice quickly) or a right-click (clicking the right button quickly).

The ratchet wheel in between the two buttons is added to provide easier scrolling capability. By simply moving the wheel with your index finger, you can quickly move through multiple pages, lines, or windows. The wheel may also function as a third button allowing you to quickly click or double-click an icon or a selected item.



**Note:** Note: If you are left-handed, refer to your Windows manual for instructions on how to set up your mouse for left-handed use.

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# Disk drives

Your computer comes with the following disk drives:

## 3.5-inch floppy disk drive

Your computer's 3.5-inch floppy disk drive can handle 720-KB and 1.44-MB capacity diskettes.

The floppy diskettes are compact, lightweight, and easy to carry around. Here are some tips on how to take care of your diskettes:

- Always make backup copies of the diskettes that contain important data or program files.
- Keep diskettes away from magnetic fields and sources of heat.
- Avoid removing a diskette from a drive when the floppy drive activity light is on.
- Write-protect your diskettes to prevent accidental erasure. To do this, slide the write-protect tab to the write-protect position.

- When you put a label on a 3.5-inch diskette, make sure that the label is properly attached (flat on the surface) and within the labeling area (area with a slight surface depression) on the diskette. An improperly attached label may cause a diskette to get stuck in a drive when you are inserting or removing it.

## CD-ROM/DVD-ROM drive

Your computer may come with a CD-ROM or a DVD-ROM drive. This drive is located on the front panel of your computer. The CD-ROM drive allows you to play different types of Compact Discs (CDs), while the DVD-ROM drive allows you to play not only old CD-ROMs, CD-I discs, and video CDs, but new Digital Video Discs (DVDs) as well. DVD or DVD-ROM

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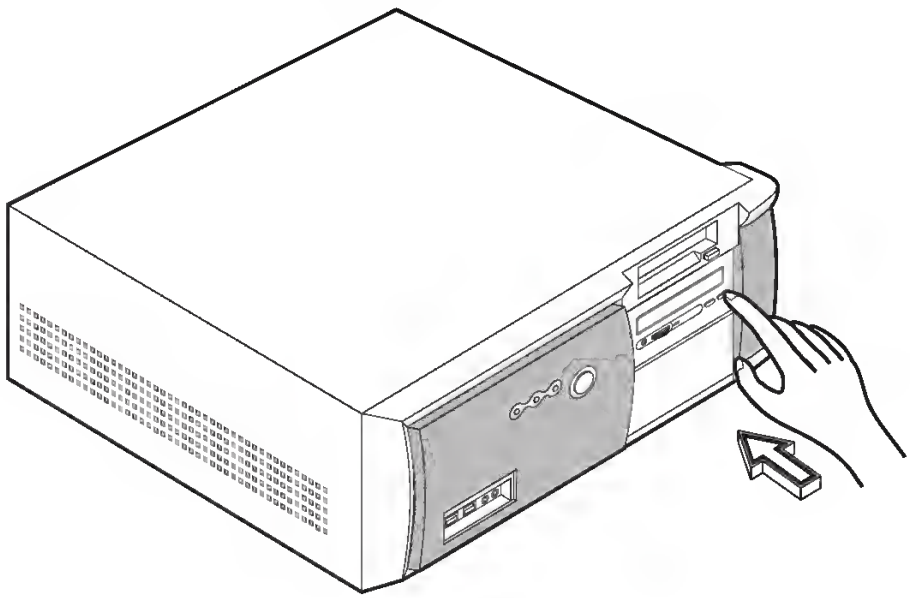
is a newer type of CD-ROM that holds a minimum of 4.7GB (gigabytes), enough for a full-length movie. It is believed that it will eventually replace CD-ROMs, as well as VHS video cassettes and laser discs.

CDs and DVDs, like diskettes, are also compact, lightweight, and easy to carry around. However, they are more delicate than diskettes and must be handled with extra care.

To insert a CD/DVD into your computer's CD-ROM/DVD-ROM drive:

1. Gently push the eject button located on the front panel.



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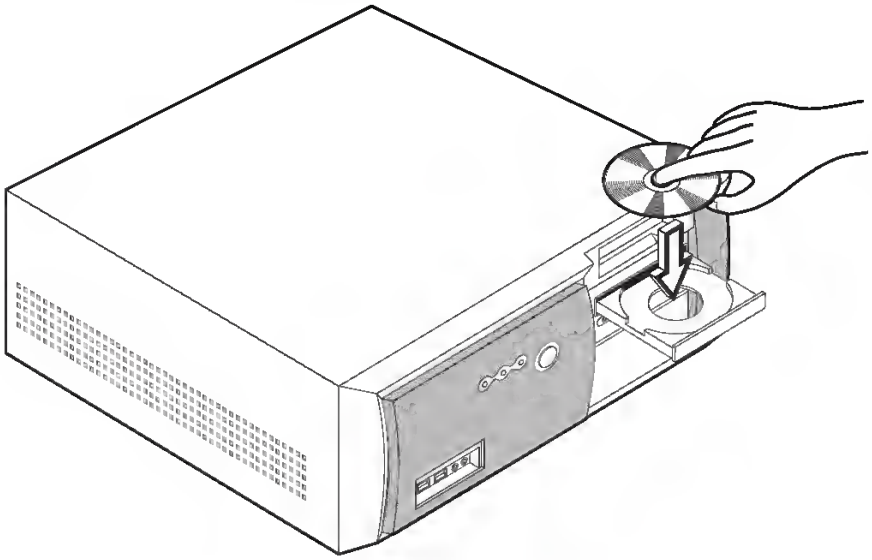
2. When the disc tray slides open, insert the CD/DVD. Make sure that the label or title side of the disc is facing upward. When holding a disc, hold it by the edges to avoid leaving smudges or fingerprints.



3. Push the eject button again to close the tray.

### To take care of your CDs and DVDs:

- Keep your discs in a disk case when not in use to avoid scratches or other damage. Any kind of dirt or damage can affect the data on the disc, impair the disc lens reader on the CD-ROM/DVD-ROM drive, or stop the computer from successfully reading the disc.
- When handling discs, always hold them by the edges to avoid smudges or fingerprints.
- When cleaning discs, use a clean, dust-free cloth and wipe in a straight line from the center to the edge. Do not wipe in a circular motion.
- Clean your CD-ROM/DVD-ROM drive periodically. You may refer to the Cleaning Kit for instructions. Cleaning Kits can be purchased in any computer or electronics shop.

## Hard disk drive

Your computer is preinstalled with a high-capacity Enhanced-IDE (E-IDE) hard disk drive. If you want to replace your hard disk or upgrade it, contact your dealer or a qualified service technician for support.

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# 3 Setting up your computer

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This chapter contains step-by-step instructions on how to set up your computer and connect additional peripherals.

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# Arranging a comfortable work area

Working safely begins with the arrangement of your work space and the proper use of equipment. For this reason, it is very important to take time and think about how you are going to arrange your work area.

Here are some points to consider:

## Adjusting your chair

Having the right kind of chair does not necessarily mean that you'll be properly supported. It is necessary to adjust your chair to fit your body. Proper body posture will make you more comfortable and productive.

- Avoid tilting your chair. If you have a chair that tilts, lock those tilt knobs so that your chair will not tilt forward or backward while you are using your computer.
- Adjust your chair height in such a way that you can sit on it with your thighs parallel to the floor and your feet resting flat on the floor.
- Rest your body on the chair back. Your torso works harder to maintain balance if you do not rest your body on the chair back.

## Positioning your Veriton 5100

Take note of the following tips when selecting a location for your computer:

- Do not put your computer near any equipment that might cause electromagnetic or radio frequency interference such as radio transmitters, televisions, copy machines, or heating and air-conditioning equipment.
- Avoid dusty areas and extremes of temperature and humidity.
- You may place your computer beside your desk or under your table, as long as it does not block the space that you need for working and moving.

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## Positioning your monitor

Place your monitor at a comfortable viewing distance, usually 50 to 60 centimeters away. Adjust the display in such a way that the top of the screen is at or slightly below eye level.

## Positioning your keyboard

The location of the keyboard is a very important factor to your posture. Placing it too far away will make your body lean forward forcing you to sit in an unnatural position. Placing it too high will add tension to your shoulder muscles.

- The keyboard should be placed just above your lap. Adjust the keyboard height by flipping the folding stands located under the keyboard.
- Keep your lower arms parallel to the floor as you type. Your upper arms and shoulders should be relaxed. Then try typing with a light touch. If you feel any shoulder or neck strain, stop for a while and check your posture.
- Position your keyboard in front of your monitor. Putting your keyboard beside your monitor will make you turn your head while you type which could add tension to your neck muscles that may later result in neck strain.

## Positioning your mouse

- The mouse should be placed on the same surface as your keyboard so that you can reach it with ease.
- Adjust its position to allow enough space for movement without making you stretch or lean over.
- Use your arm to move the mouse. Do not rest your wrist on the table when moving the mouse.

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# Connecting peripherals

Setting up your computer is easy. For the most part, you only have four things to connect: the USB mouse, the USB keyboard, the monitor, and the power cable.

## USB devices

Universal Serial Bus (USB) is a newer serial bus design that is capable of cascading low-/medium-speed peripherals (less than 12 Mbps) such as a keyboard, mouse, joystick, scanner, printer and modem. With USB, complex cable connections can be eliminated.

Your computer comes with four USB ports: two each on both the front and rear panels. These ports allow you to connect additional serial devices to your computer without using up its system resources.

Your computer comes with a USB keyboard and a USB mouse.

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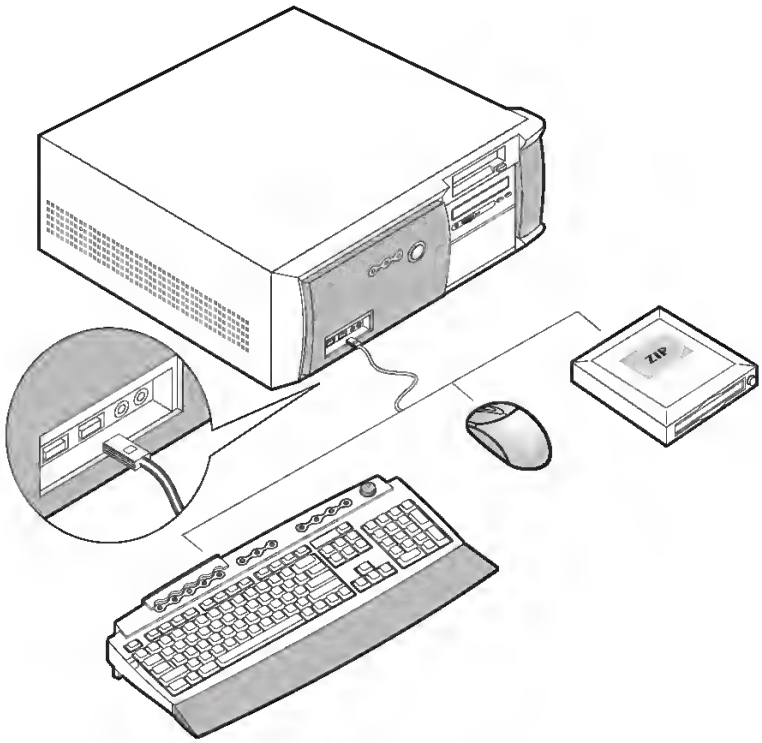
To connect a USB device, simply plug the device cable into any of the USB ports ⇐ (black port).



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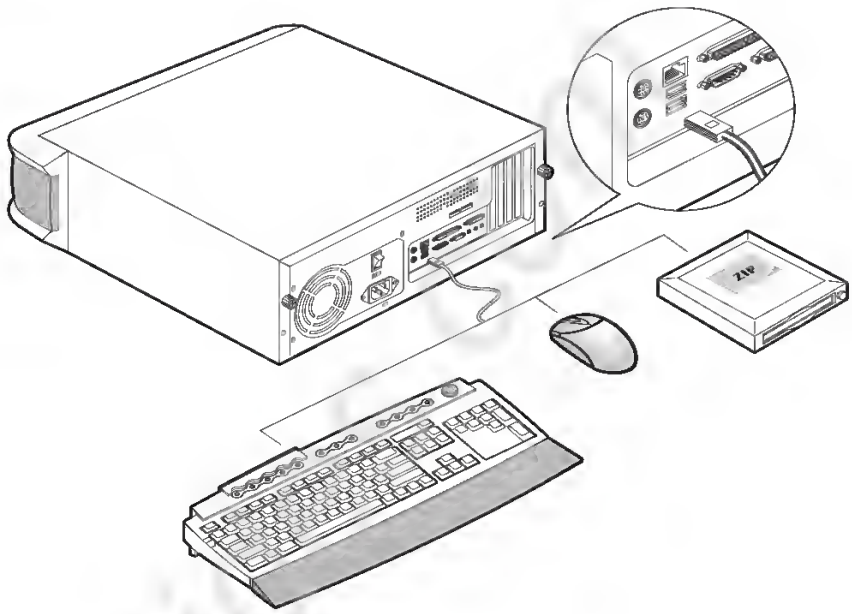

**Note:** Most USB devices have a built-in USB port which allows you to daisy-chain other devices.

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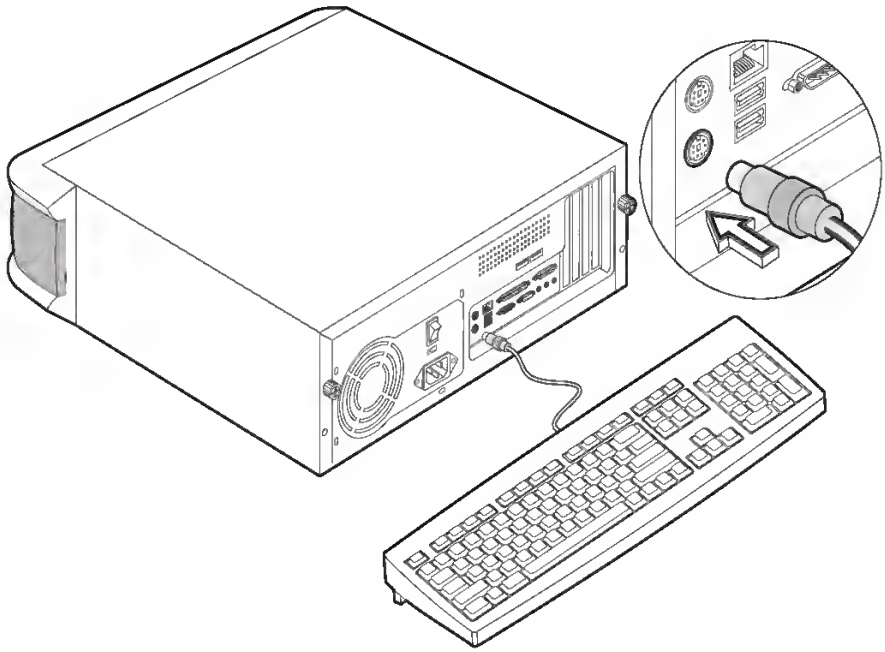
# Keyboard

Plug the keyboard cable into the PS/2 keyboard port (purple port) located on the rear panel of your computer.



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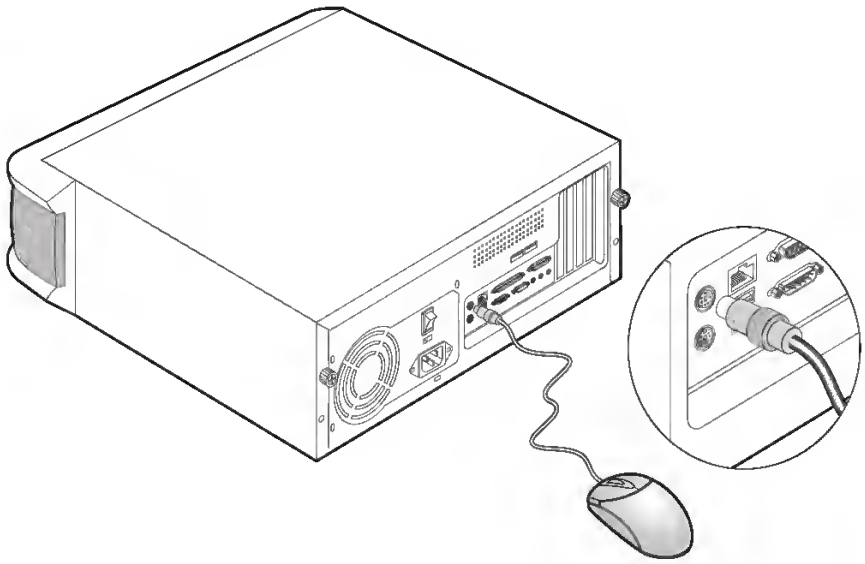
# Mouse

## PS/2 mouse

Plug the mouse cable into the PS/2 port (green port) located on the rear panel of your computer.



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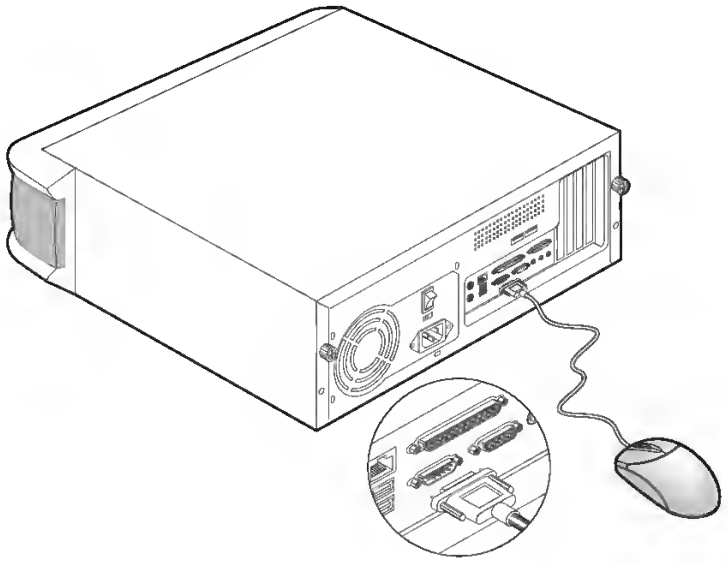
## Serial mouse

You can also connect a serial mouse to your computer. To connect one, simply plug the mouse cable into the serial port (teal or turquoise port) located on the rear panel of your computer.



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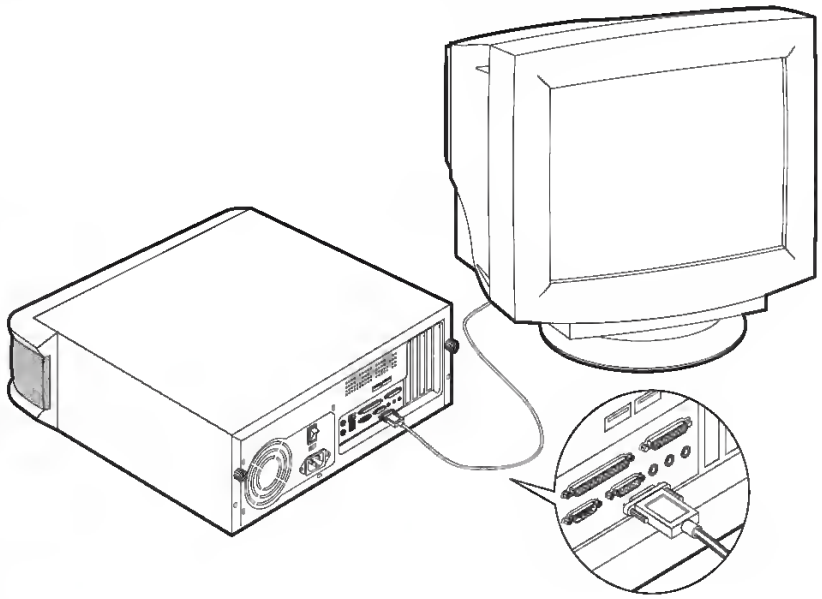
# Monitor

To connect a monitor, simply plug the monitor cable into the monitor port (blue port) located on the rear panel of your computer.



**Note:** Note: Refer to the monitor manual for additonal instructions and information.

# Power cable

Caution! Before you proceed, check the voltage range in your area. Make sure that it matches your computer's voltage setting (see the voltage selector switch located on the rear panel of your computer). If they don't match, change your computer's voltage setting according to your area's voltage range.

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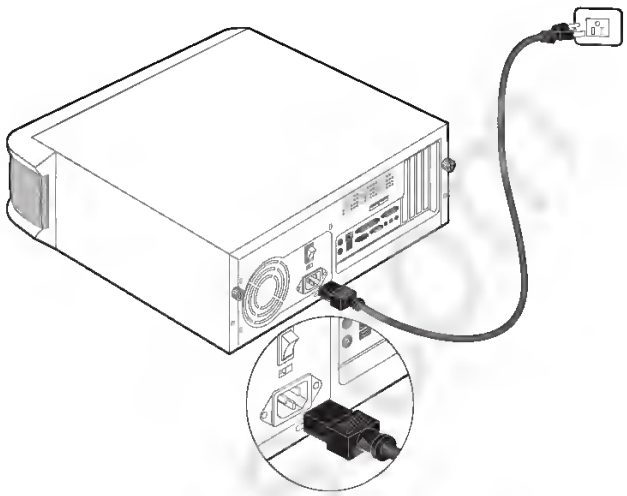
Plug the power cable into the power cable socket located on the rear panel of your computer. Then plug the other end of the power cable into a power outlet.



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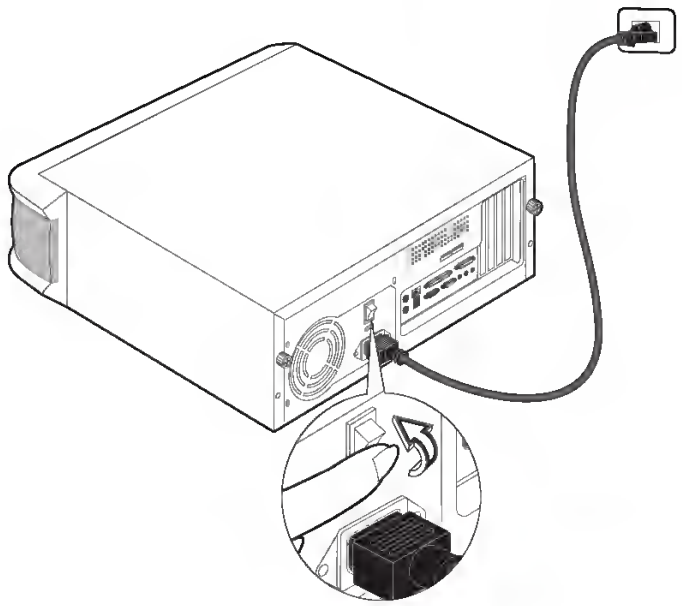
# Turning on your computer

After connecting the necessary peripherals and plugging in the power cable, you are now ready to turn the computer on and get to work.

To turn on your computer:

1. Turn on all peripherals connected to your computer such as the monitor, printer, fax, speakers, etc.
2. On the rear panel of your computer, press the power switch.



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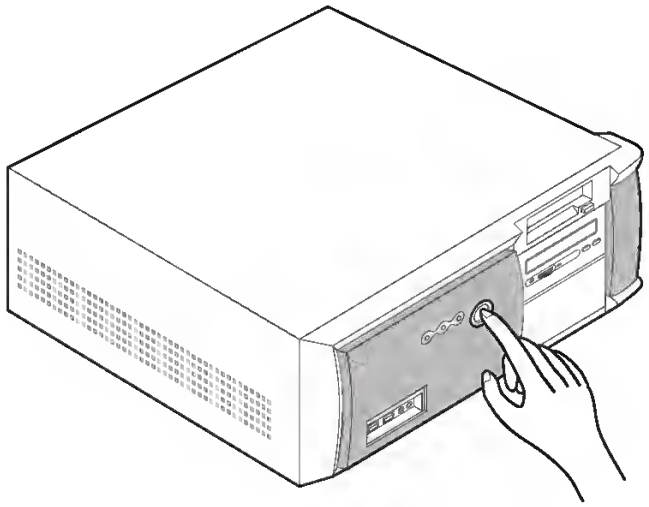
3. On the front panel of your computer, press the power button.



**Important:** Make sure that the power cable is properly plugged into an electrical outlet. If you are using a power strip or an AVR (Auto-Voltage Regulator), make sure that it is plugged in and turned on.

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# Turning off your computer

To turn off your computer, do either of the following:

- From your Windows desktop, click on Start, Shut Down... and select Shut down; then click on OK.
- Turn off all peripherals connected to your computer, and then, press the power switch for at least four seconds. Quickly pressing the button may put the computer in Suspend mode only.

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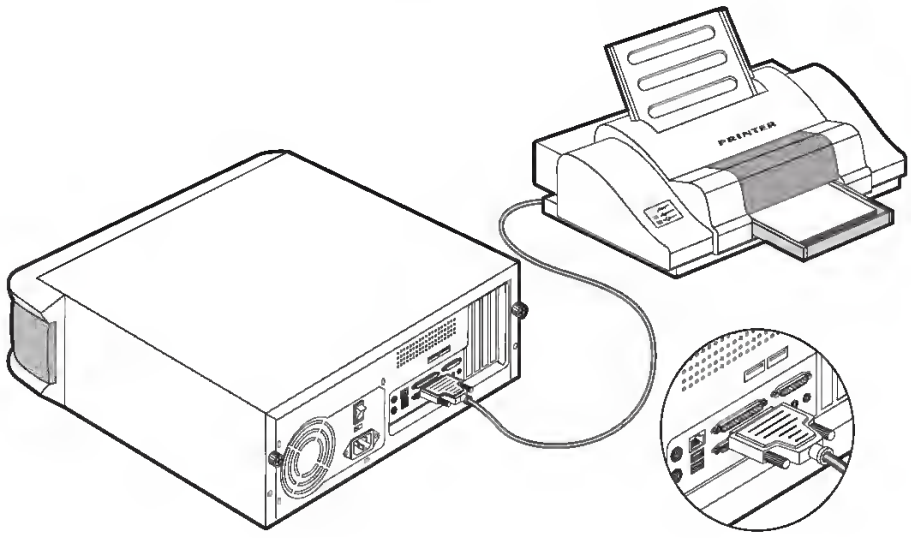
# Connecting options

## Printer

To connect a printer, plug the printer cable into the parallel port (burgundy port) located on the left panel of your computer.



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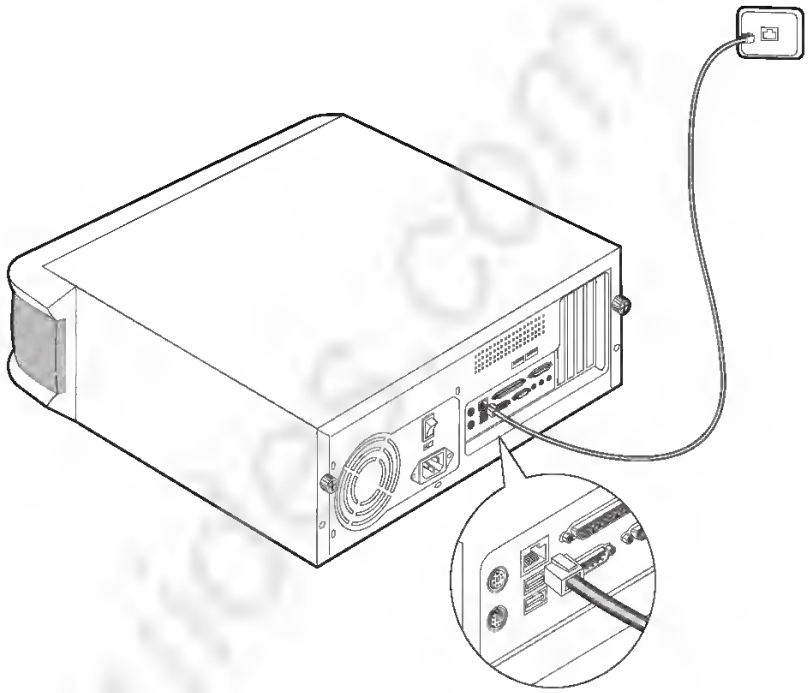
# Network

You can connect your computer to a Local Area Network (LAN) using a network cable. To do so, simply plug the network cable into the network port on the rear panel of your computer.



**Note:** Consult your operating system manual for information on how to configure your network setup.

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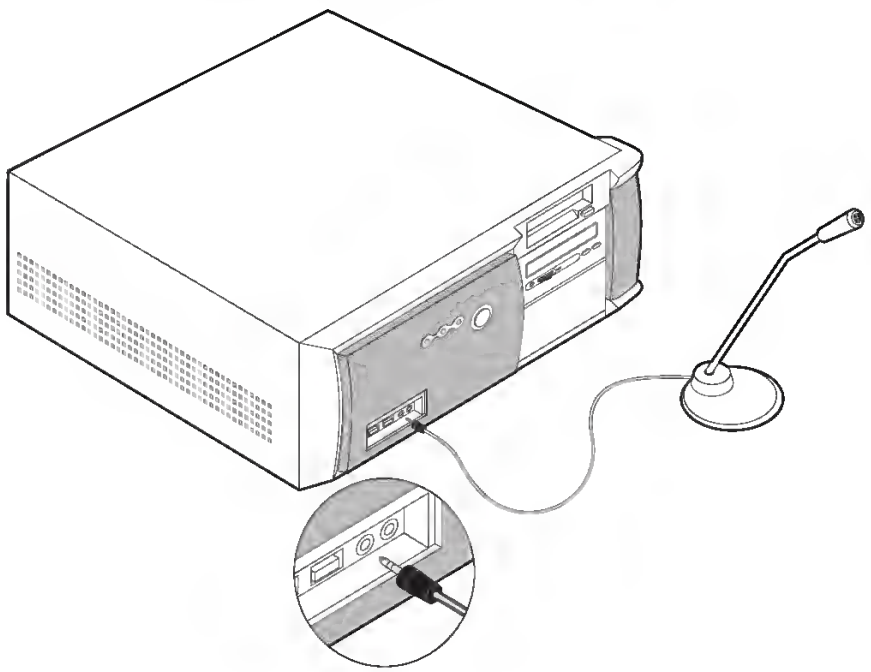
# Multimedia devices

You can connect multimedia devices such as speakers, a microphone, headphones or earphones and a joystick (for games). These devices will allow you to take advantage of your computer's multimedia features.

Plug the devices in as follows:

- microphone: connects to the Mic-in jack (pink jack) located on the front and rear panel of your computer

**Note:** The system has two microphone-in ports (front and rear). However, you can not use both of them at the same time. The default setting for your system enables the microphone-in port at the back and disables the one in front. You have to enable the front microphone-in port (see page 43) to be able to use it.



- earphones, headphones: connect to the Headphone-out jack (lime jack) located on the front panel of your computer

**Note:** To adjust the volume of the headphones, click on the Volume icon located on the taskbar at the bottom of your screen. When the

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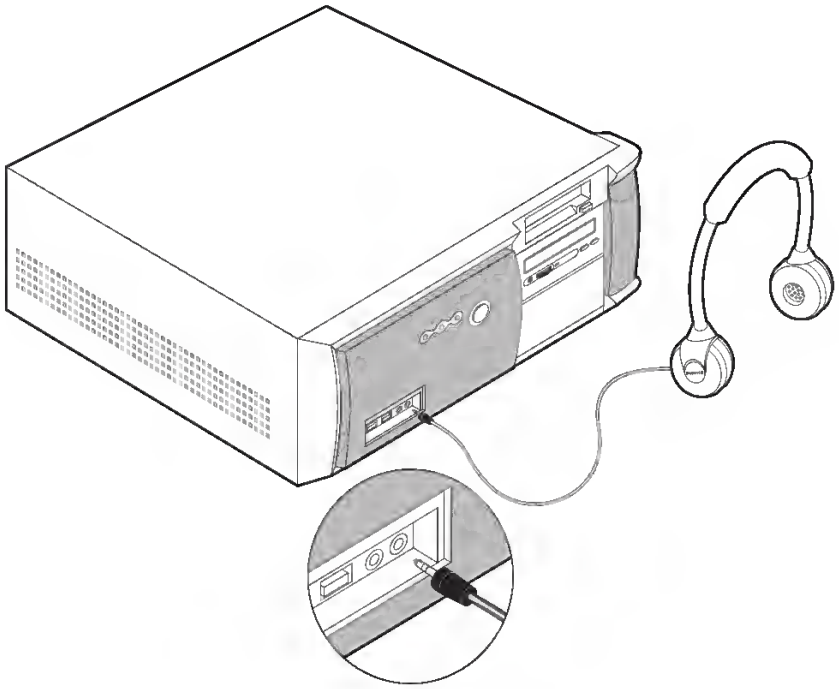
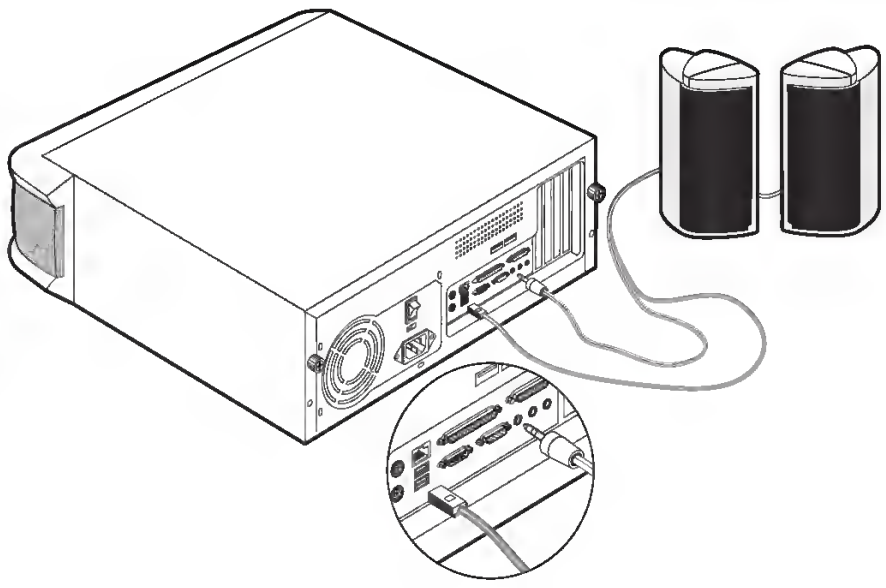
volume control pops up, drag the volume control lever to the desired level.



- external speakers: connect to the Audio-out/Line-out jack (lime jack) located on the rear panel of your computer



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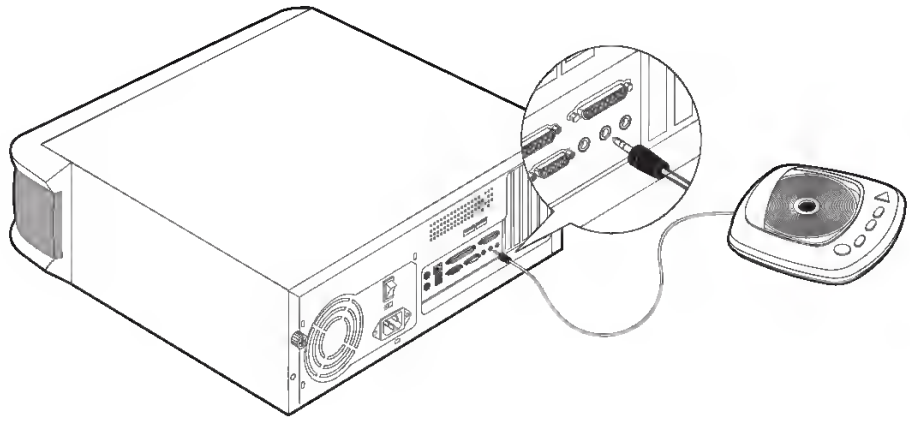
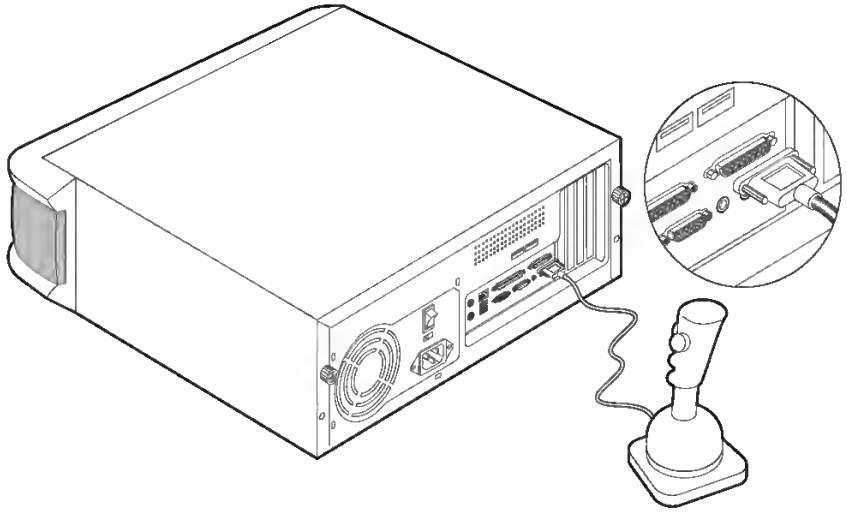
- external CD player: connects to the Audio-in/Line-in jack (light blue jack) located on the rear panel of your computer



- joystick: connects to the Game/MIDI port (gold port) located on the rear panel of your computer



**Note:** For information on how to configure multimedia devices, consult the documentation that came with each device.

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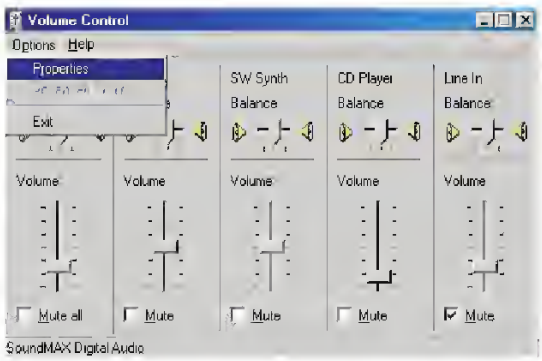
## Enabling the front microphone-in port

The system has two microphone-in ports (front and rear). However, you can not use both of them at the same time. The default setting for your system enables the microphone-in port at the back and disables the one in front.

To enable the microphone-in port in front of the system:

1. Double-click on the Volume icon on the Windows taskbar.

2. The Volume Control window appears. Click Options and then choose Properties.



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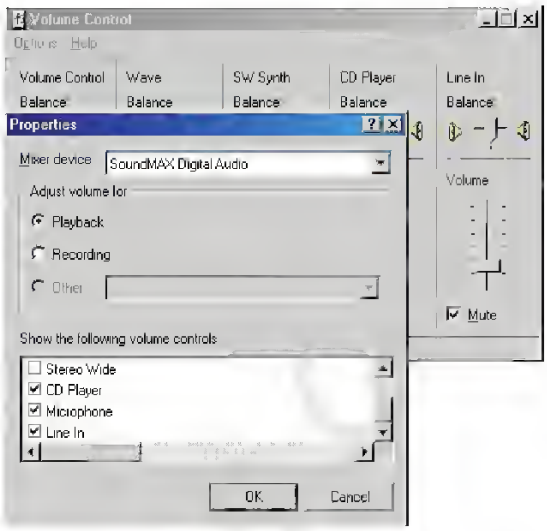
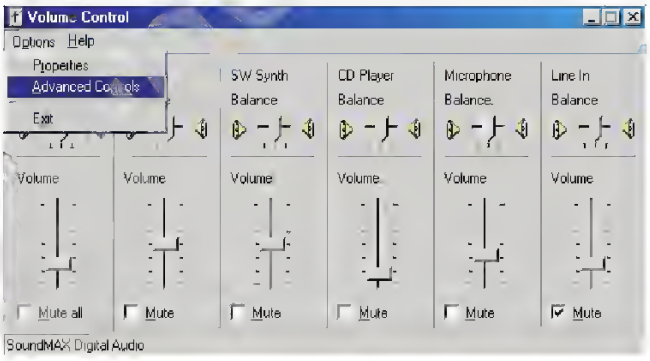
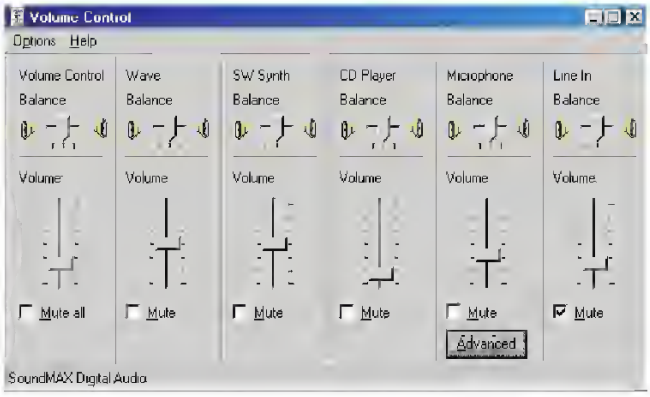
3. In the Adjust volume for section, choose Playback. In the Show the following volume controls section, click the Microphone checkbox. Click OK to continue.




4. Choose Options again and then select Advanced Controls.




5. Click the Advanced button in the Microphone Balance column.



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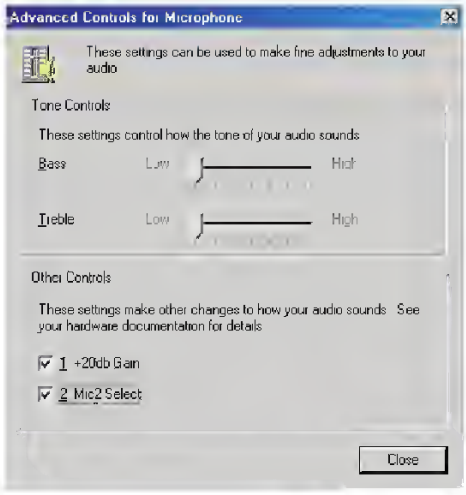
6. In the Other Controls section, click the Mic2 Select checkbox to enable the microphone-in port in the front panel.




**Note:** The Windows 2000 volume control windows might differ from the screenshots shown here. If you need more information about the Windows 2000 volume control function, please refer to its online help.

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# 4 Upgrading your computer

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This chapter contains instructions on how to upgrade your computer and basic information about your system boards that you will find helpful when performing the upgrade process.

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# Installation precautions

Before you install any computer component, we recommend that you read the following sections. These sections contain important ESD precautions along with preinstallation and post-installation instructions.

## ESD precautions

Electrostatic discharge (ESD) can damage your processor, disk drives, expansion boards, and other components. Always observe the following precautions before you install a computer component:

1. Do not remove a component from its protective packaging until you are ready to install it.
2. Wear a wrist grounding strap and attach it to a metal part of the computer before handling components. If a wrist strap is not available, maintain contact with the computer throughout any procedure requiring ESD protection.

## Preinstallation instructions

Always observe the following before you install any component:

1. Turn off your computer and all the peripherals connected to it before opening it. Then unplug all cables from the power outlets.
2. Open your computer according to the instructions on page 51.
3. Follow the ESD precautions described above before handling a computer component.
4. Remove any expansion boards or peripherals that block access to the DIMM sockets or component connector.
5. See the following sections for specific instructions on the component you wish to install.

Warning! Not turning off the computer properly before you start installing the components may cause serious damage.

Do not attempt the procedures described in the following sections unless you are a qualified service technician.

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# Post-installation instructions

Observe the following after installing a computer component:

1. See to it that the components are installed according to the step-by-step instructions in their respective sections.
2. Replace any expansion boards or peripherals that you removed earlier.
3. Replace the computer cover.
4. Connect the necessary cables and turn on your computer.

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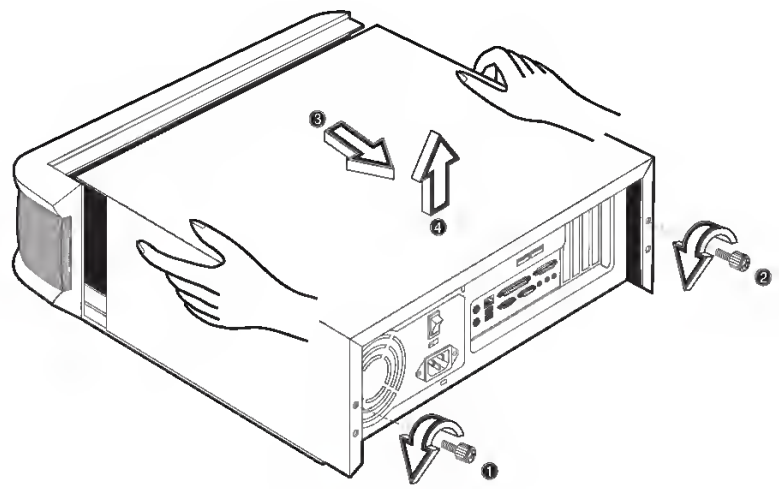
# Opening your computer

Caution: Before you proceed, make sure that you have turned off your computer and all peripherals connected to it. Read the "Preinstallation instructions" on page 49.

You need to open your computer before you can install additional components. See the following section for instructions.

## To remove the side panel

1. Turn off your computer and unplug all cables.
2. Place your computer on a flat, steady surface.
3. Turn the thumbscrews counterclockwise with your fingers to release the cover.




4. Hold the cover with both hands. Slide it back about an inch and then gently pull it outward to detach it.

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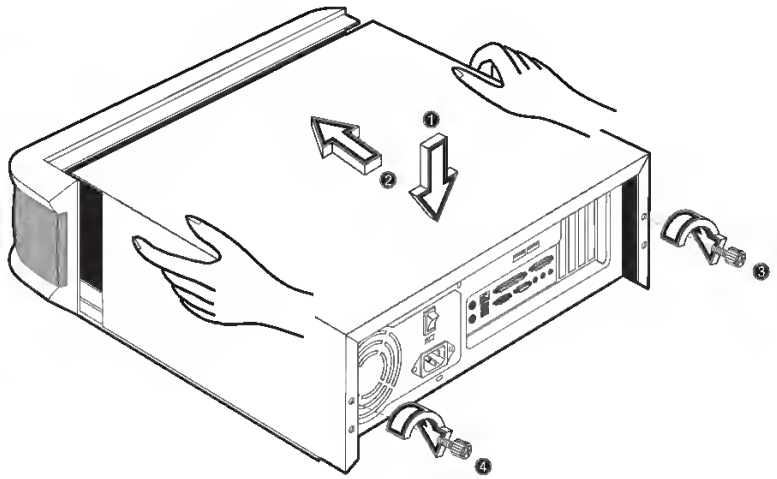
## To reinstall the cover

1. Align the cover to the housing frame and then push it in to slide it back into place.




2. Turn the thumbscrews clockwise to secure the cover.

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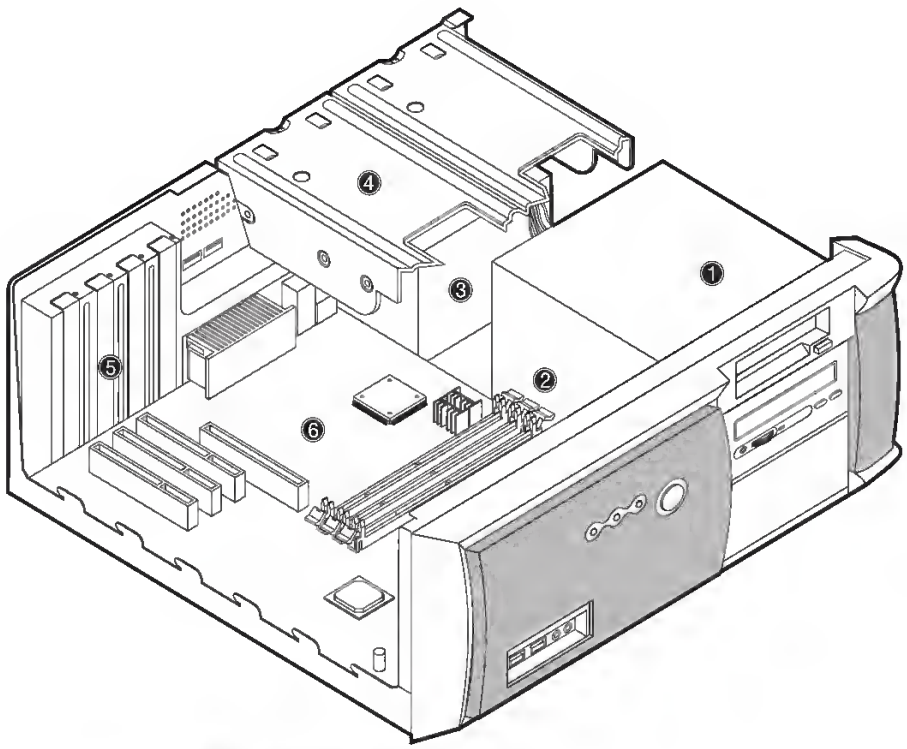
# Internal components

The figure below shows what your computer looks like once you remove the cover:




| No. | Component |
|---|---|
| 1 | 3.5-inch drive bay |
| 2 | 5.25-inch drive bays (two bays) |
| 3 | Power supply |
| 4 | Metal brackets (Hard disk drive frame) |
| 5 | Expansion slots |
| 6 | Mainboard |

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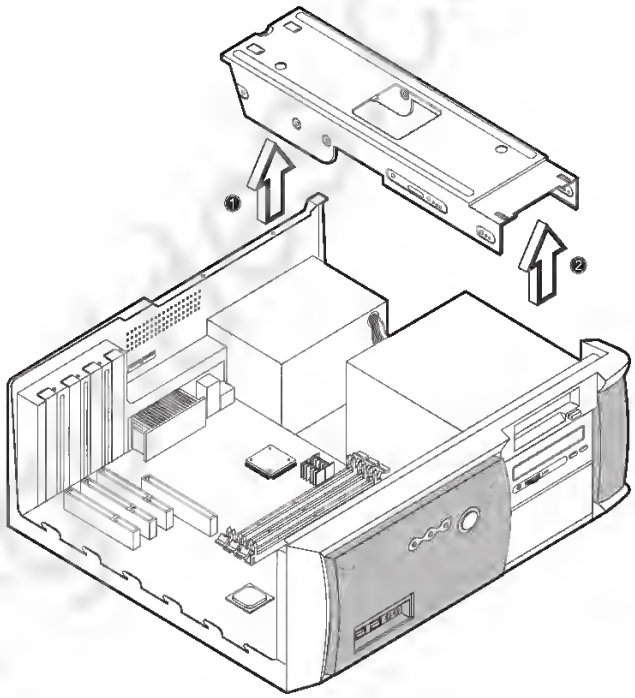
# Replacing the hard disk

Follow these steps to replace your computer's hard disk drive:

1. Remove the cover (see page 51).
2. Detach the power and disk drive cables from the hard disk drive.
3. Remove the screw that secures the metal bracket frame to the housing.
4. Lift up the metal bracket and pull it out.



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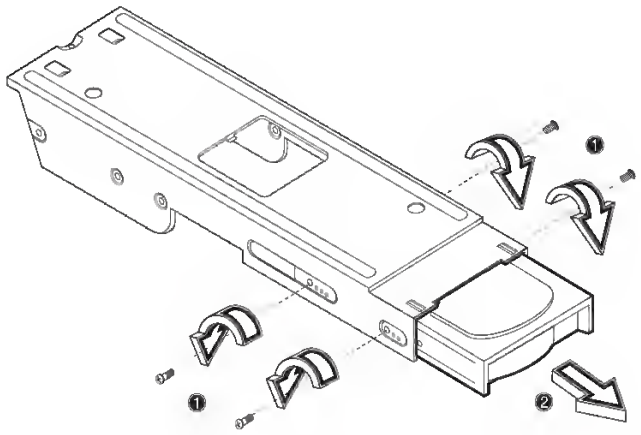
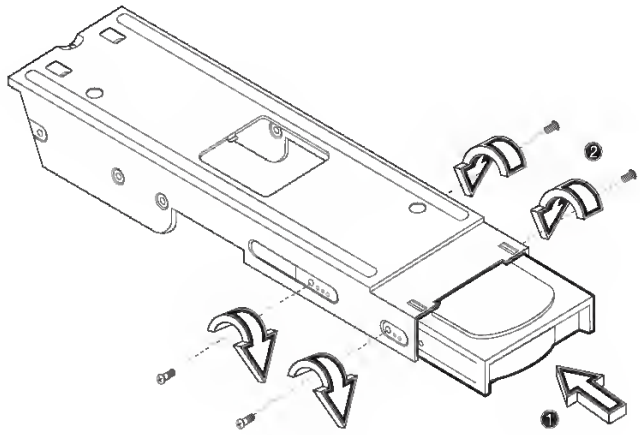
5. Remove the four screws that hold the hard disk drive to the disk frame and detach the hard disk drive. Set the screws aside.




6. Insert the new hard disk drive into the frame and secure it with four screws.



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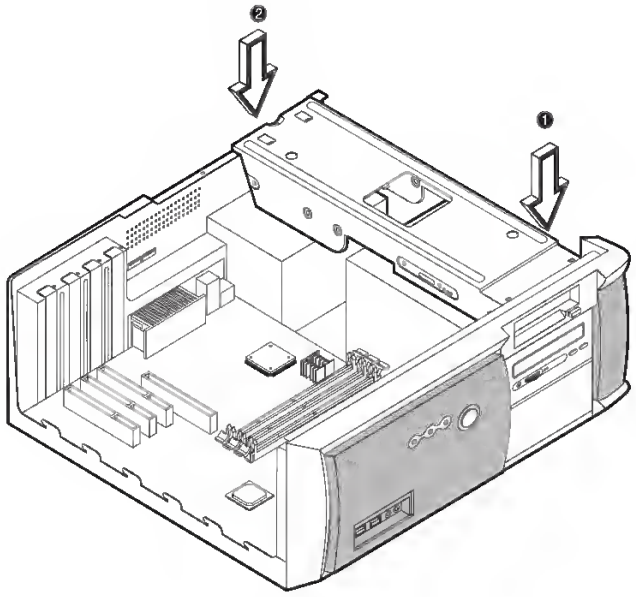
7. Reinstall the metal bracket frame to the housing.




8. Connect the power and disk drive cables to the hard disk drive.
9. Reinstall the cover (see page 52).

**Note:** Make sure that the other ends of the disk cables are securely connected to their corresponding connectors on the mainboard.

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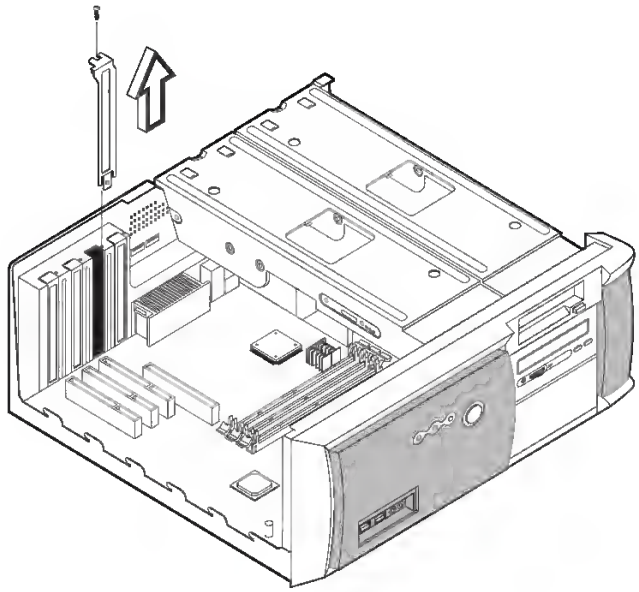
# Installing an expansion card

**Note:** Observe the "Installation precautions" on page 49 when installing or removing a computer component.

To install an expansion card:

1. Remove the cover (see page 51).
2. Locate an empty PCI slot on the mainboard.
3. Remove the screw that holds the bracket to the computer. Save the screw.
4. Pull out the bracket on the housing opposite the selected empty slot.



5. Remove the expansion card from its protective packaging.
6. Align the card with the empty bracket and then insert it into the slot. Make sure that the card is properly seated.

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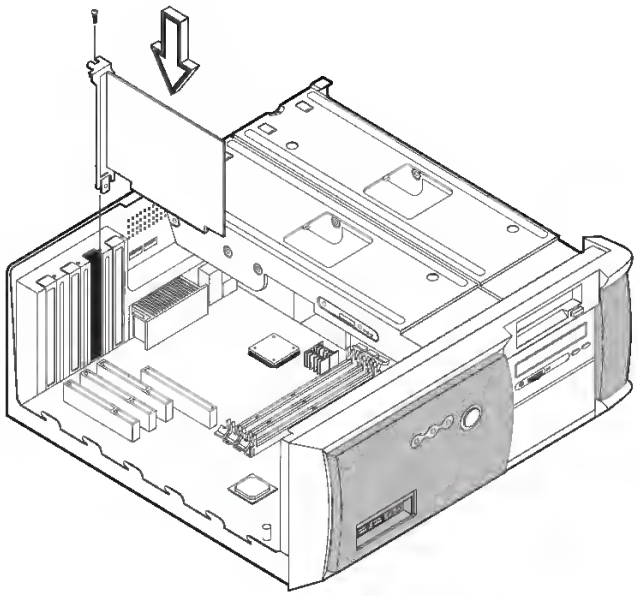
7. Secure the card to your computer with a screw.



8. Reinstall the cover (see page 52).

When you turn on the computer, BIOS (Basic Input/Output System) automatically detects and assigns resources to the newly-installed devices.

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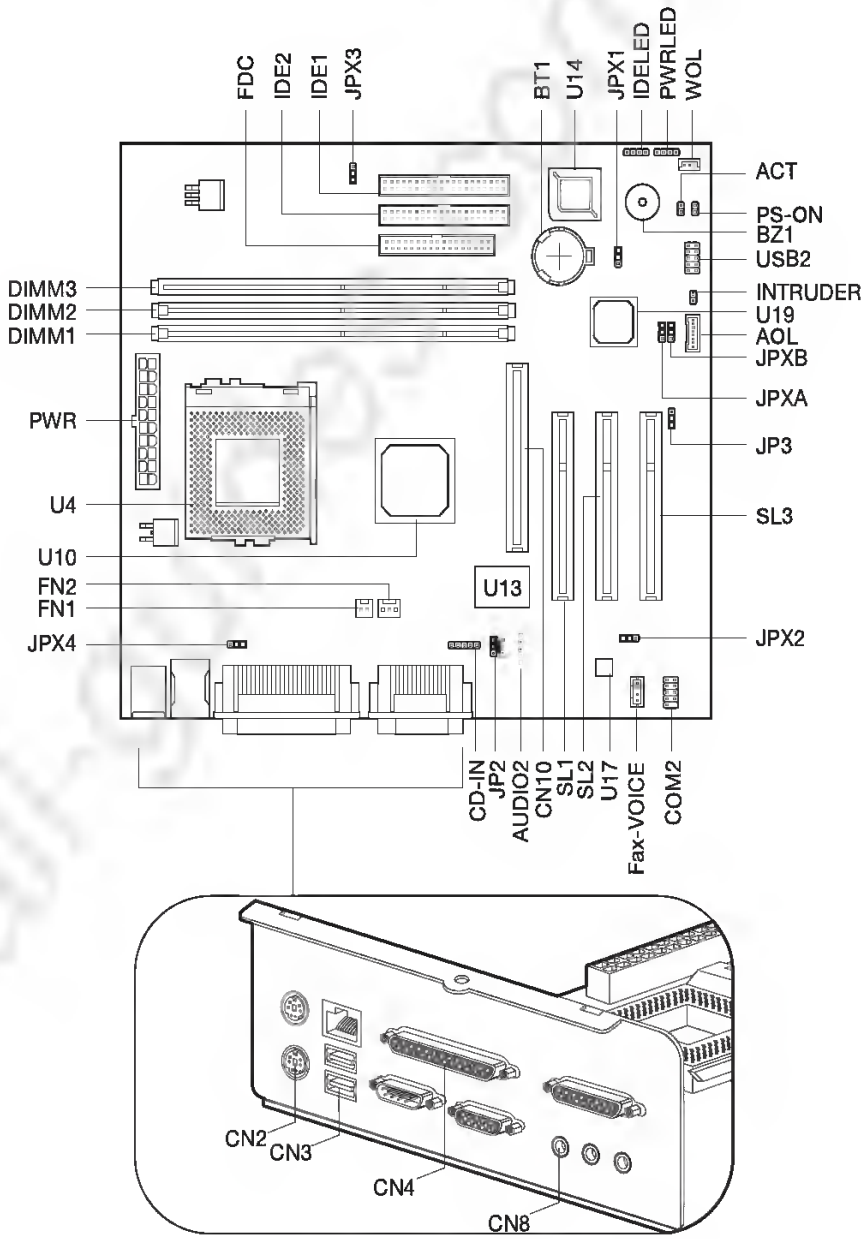
# System boards

## Mainboard layout

The mainboard becomes accessible once you open your computer. It should look like the figure shown below:



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| Label | Component |
|---|---|
| ACT | Turbo/LAN active LED connector |
| AOL | Alert on LAN connector |
| AUDIO2 | Audio connector for USB-audio board |
| BT1 | Battery |
| BZ1 | Buzzer |
| CD-IN | CD-ROM audio connector |
| CN2 | PS/2 mouse (upper) and keyboard (lower) ports |
| CN3 | Network (upper) and USB (lower) ports |
| CN4 | Parallel (upper), VGA (lower right) and serial port 1 (lower left) ports |
| CN8 | MIDI/game (upper), line-out (left), line-in (middle), and mic-in (right) ports |
| CN10 | AGP slot |
| COM2 | Serial port 2 (COM2) connector (optional) |
| DIMM1 to 3 | DIMM sockets 1 to 3 |
| FAX-VOICE | More voice input for modem card |
| FDC | Floppy disk drive connector |
| FN1 | 2-pin CPU fan connector |
| FN2 | 3-pin CPU fan connector |
| IDELED | IDE LED connector |
| IDE1 | IDE 1 HDD connector |
| IDE2 | IDE 2 HDD connector |
| INTRUDER | Intrusion alarm connector |

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| Label | Component |
|---|---|
| JP2 | Line-out options<br>Unamplified: 1-3, 2-4*<br>Amplified: 3-5, 4-6 |
| JP3 | LAN EEPROM<br>Enabled: 1-2*<br>Disabled: 2-3 |
| JPXA | Boot block<br>Enabled: 1-2<br>Disabled: 2-3* |
| JPXB | Check password<br>Enabled: 1-2<br>Disabled: 2-3* |
| JPX1 | CMOS clear<br>Clear CMOS: 1-2<br>Normal: 2-3* |
| JPX2 | CPU speed<br>Safe mode: 1-2<br>Normal: 2-3* |
| JPX3 | Support CPU<br>Coppermine/Celeron: 1-2*<br>VIA (Cyrix)/Joshua: 2-3 |
| JPX4 | Onboard LAN<br>Enabled: 1-2*<br>Disabled: 2-3 |
| PS-ON | ATX power switch |
| PWR | ATX power connector |
| PWRLED | Power LED connector |
| SL1 to 3 | PCI slots 1 to 3 |
| USB2 | USB connector for USB-audio board |
| U4 | FC-PGA CPU socket |
| U10 | Intel 82815 Chipset |

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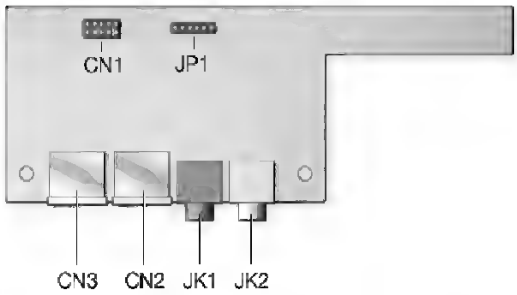
| Label | Component |
|---|---|
| U13 | Super I/O chipset |
| U14 | Firmware HUB (BIOS) |
| U17 | Audio chipset |
| U19 | Intel 82801BA Chipset |
| WOL | Wake on LAN connector |

* Default value

## Audio board

The audio board that came with your computer should look like the figure that follows.




| Label | Description |
|---|---|
| JP1 | Audio connector - connects to the AUDIO2 connector of the mainboard |
| CN1 | USB connector - connects to the USB2 connector of the mainboard |
| CN2 and CN3 | USB ports |
| JK1 | Microphone-in port* |
| JK2 | Audio-out port |

* The system has two microphone-in ports (front and rear). However, you can not use both of them at the same time. The default setting for your system enables the microphone-in port at the back and disables the one in front. You have to enable the front microphone-in port (see page 43) to be able to use it.

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# Installing additional memory

The three 168-pin sockets on board support Synchronous Dynamic Random-Access Memory (SDRAM)-type DIMMs. You may install 32-MB, 64-MB, 128-MB, or 256-MB single and double density for a maximum memory capacity of 512-MB.

**Note:** Due to a chipset limitation you can only use two DIMM sockets (DIMM1 and DIMM2) when you install a 133 MHZ front side bus CPU. If you install a 100 MHz front side bus CPU then you can use all three DIMM sockets. However, the maximum memory capacity still applies when using three DIMM sockets.

The SDRAM DIMMs should work under 3.3 volts; 5-volt memory devices are not supported. Both PC-100 (100MHz) and PC-133 (133 MHz) SDRAM can be installed on the mainboard; however, they cannot be used at the same time in a computer. Contact your dealer for qualified DIMM vendors.

Caution! Do not use both PC-100 and PC-133 SDRAM together. Such a combination might cause your computer to malfunction.

Each of the DIMM sockets is independent from each other. This independence allows you to install DIMMs with different capacities to form different configurations.

## To install a DIMM

**Note:** Observe the "Installation precautions" on page 49 when installing or removing a computer component. Also, make sure that you have removed the computer cover (see page 51).

1. Open the clips on the socket.
2. Align the DIMM with the socket.

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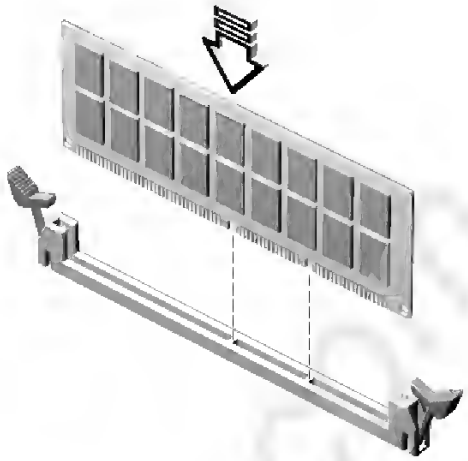
3. Press the DIMM into the socket until the clips lock onto the DIMM.



**Note:** The DIMM socket is slotted to ensure proper installation. If you insert a DIMM but it does not fit easily into the socket, you may have inserted it incorrectly. Turn the DIMM around and try to insert it again.

## To remove a DIMM

**Note:** Observe the "Installation precautions" on page 49 when installing or removing a computer component. Also, make sure that you have removed the computer cover (see page 51).

1. Press the holding clips on both sides of the DIMM socket outward to release the DIMM.

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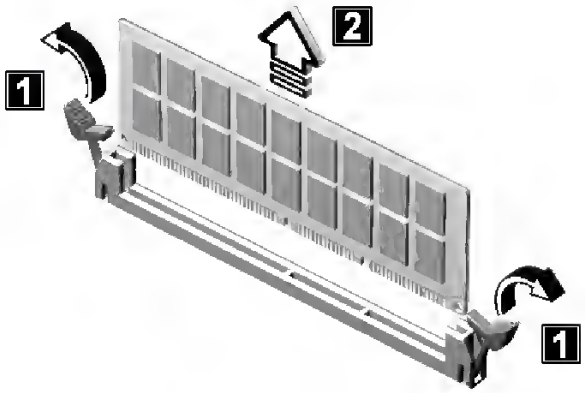
2. Gently pull the DIMM out of the socket.




## To reconfigure your computer

Your computer automatically detects the amount of memory installed. Run the BIOS utility to view the new value for total system memory and make a note of it. For more information on BIOS, refer to the Veriton 7100 online manual (see “Accessing the online manual” on page 6).

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# Upgrading the CPU

**Note:** Observe the "Installation precautions" on page 49 when installing or removing a computer component. Also, make sure that you have removed the computer cover (see page 51).

## To remove the CPU

Before you can replace or upgrade your processor, you need to remove the previously installed processor on the mainboard.

Follow these steps to remove the CPU:

1. On the mainboard, locate the CPU mounted on the socket.
2. Detach the fan/heatsink cable connector.
3. Remove the fan/heatsink from the CPU.
4. Pull up the socket lever. The CPU pins will be automatically released from the socket holes.

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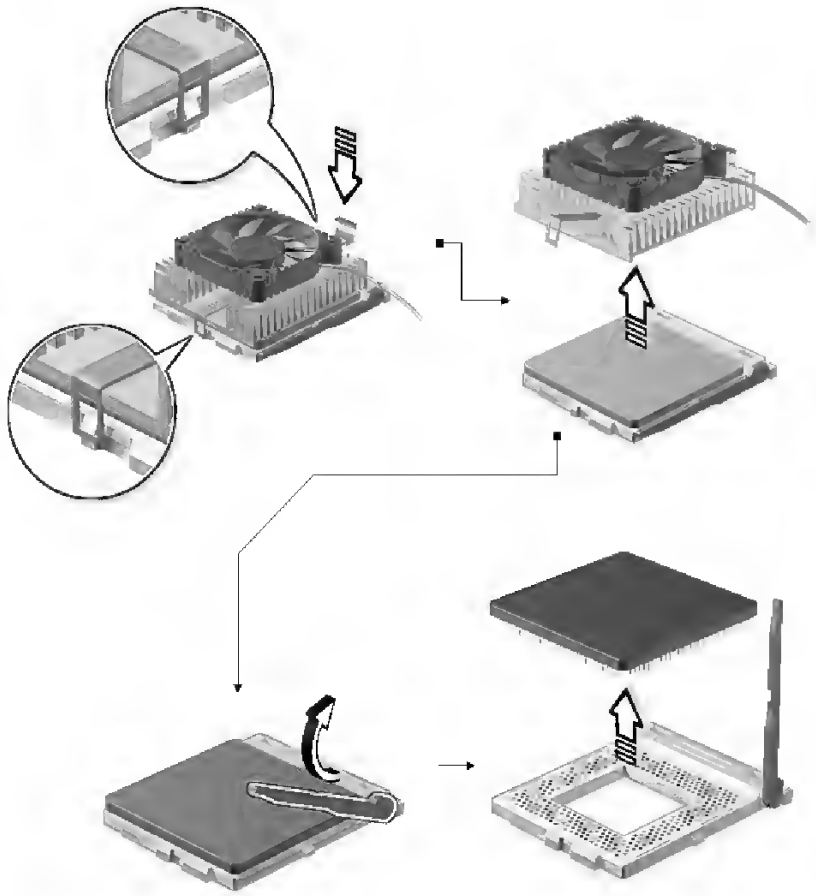
5. Pull out the CPU from the socket.



## To install the upgrade CPU

Before you proceed, make sure that there is no CPU installed in the CPU socket.

Follow these steps to install the upgrade CPU:

1. Pull up the socket lever.
2. Insert the CPU, making sure that pin 1 (indicated by a notched corner) of the CPU connects to hole 1 of the socket (the bottom right corner).

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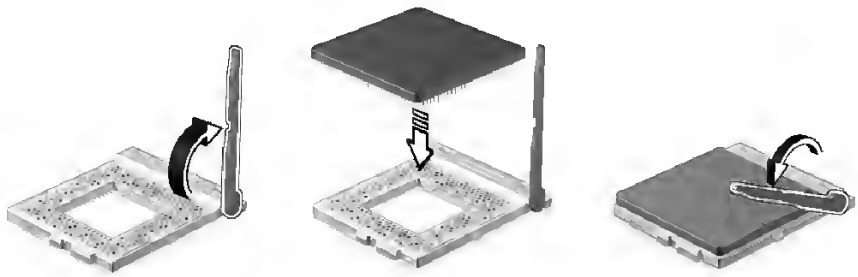
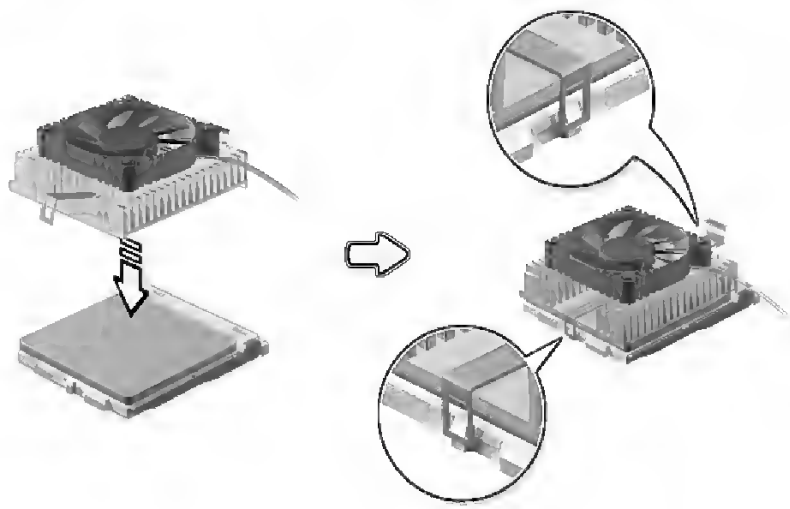
3. Pull down the socket lever to lock the CPU into the socket.



4. Attach the heatsink and fan to the CPU.



5. Plug the fan/heatsink cable into the fan connector on the mainboard. See "Mainboard layout" on page 59 for the location of the connectors on the mainboard.

Warning! The heatsink becomes very hot when the computer is on. Never touch the heatsink with any metal or with your hands.

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# 5 Software

All manuals and user gui

This chapter describes the applications that came with your computer.

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Your computer comes with the following applications:

- PC-cillin
- PC Doctor
- BIOS utility

All of the applications that came with your computer are very easy to use. However, if you need more help and information, you may refer to the online help documentation provided in each software application.

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# PC-cillin

PC-cillin is an antivirus program designed to scan and clean computer viruses from your computer's hard drive and floppy drive. To ensure the integrity of your computer data, you should scan your hard drive on a regular basis. Fixes for newly-discovered viruses may not be included in the software provided with your computer. You may contact your software vendor or Trend Micro's Web site (www.trendmicro.com) for updates.

To run PC-cillin:

1. Select the PC-cillin icon from your Windows desktop.
2. Select the drives, directories, or files that you want to scan.
3. Select the scan option to begin the virus check. If PC-cillin finds any infected files, it will list several options for you to follow.

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# PC-Doctor

PC-Doctor contains comprehensive hardware diagnostics and system information tests that you can run to verify the functionality of your computer's hardware components. Components can be tested individually or together according to your preferences. If you suspect that you may have a hardware component failure, you will need to run this program prior to contacting your manufacturer for technical support.

You may also use this utility to check and obtain detailed information about your computer. This information will serve as reference and may help diagnose computer problems.

To run PC-Doctor, do either of the following:

- If you are running Windows:
  a. Select the PC-Doctor icon from your Windows desktop.
  b. Follow the directions on the screen.
- If you are running DOS:
  a. Boot from the Programs CD.
  b. Select the PC-Doctor option.
  c. Follow the directions on the screen.

For more information about PC-Doctor, you may refer to the following Web site: www.ws.com

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# BIOS utility

The BIOS utility is a hardware configuration program built into your computer's Basic Input/Output System (BIOS). Since most computers are already properly configured and optimized, there is no need to run this utility. However, if you encounter configuration problems and get the "Run Setup" message, you will need to run this utility.

Note: Before you run BIOS, make sure that you have saved all open files. The computer reboots immediately after you exit Setup.

To run the BIOS utility, press the key combination Ctrl+Alt+Esc. For information about BIOS and how to configure your computer, refer to the Veriton 5100 online manual (see “Accessing the online manual” on page 6).

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# Reinstalling programs

If you uninstall one of the preinstalled programs and want to reinstall it, do the following:

1. Make sure the computer is turned on.
2. Insert the Programs CD into the CD-ROM drive.
3. Select the application that you want to reinstall.
4. Follow all onscreen instructions until you finish the installation.

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# 6 Q&A

All manuals and user gui

This chapter tells you what to do in case your computer is not working properly. However, if a more serious problem arises, contact your dealer or the technical support center for assistance.

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The following questions are possible situations that may arise during the use of your computer and each is followed by easy answers and solutions to the situation.

Q: I pressed on the power switch but the system did not boot up.

A: Check the LED located at the center of the power switch.

If the LED is not lit, no power is being applied to the system. Do any of the following:

- Check if you plugged the power cable properly into an electrical outlet.
- Check if the main power switch on the right panel of your computer is switched to "ON" (1). See "Turning on your computer" on page 35 for the location of the main power switch on your computer.
- If you are using a power strip or AVR, make sure that it is plugged in and turned on.

If the LED is lit, check the following:

- Is a nonbootable (nonsystem) diskette in the floppy drive? If yes, remove or replace it with a system diskette and press Ctrl + Alt + Del to restart your computer.
- The operating system files may be damaged or missing. Insert the startup disk you created during Windows setup into the floppy disk drive and press Ctrl + Alt + Del to restart your computer. This will automatically diagnose your system and make necessary fixes.

Q: Nothing appears on the screen.

A: Your computer's power management function automatically blanks the screen to save power. Just press any key to turn the display back on.

If pressing a key does not work, contact your dealer or the technical support center for support.

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Q: The serial mouse does not work.

A: Make sure that the serial cable is plugged securely into the serial port. See "Serial mouse" on page 32 for information on how to connect a serial mouse.

Q: The printer does not work.

A: Do the following:

- Make sure that the printer is connected to a power outlet and that it is turned on.
- Make sure that the printer cable is connected securely to the system's parallel port and the corresponding port on the printer. See "Printer" on page 38 for information on how to connect the printer to your computer.
- For additional information concerning the printer, refer to the printer's documentation.

Q: No sound comes out from the computer.

A: Check the following:

- The volume may be muted. Under Windows, look for the Volume icon on the taskbar. If it is crossed-out, click on the icon and deselect the Mute option.
- If headphones, earphones, or external speakers are connected to the line-out jack of your computer, the internal or built-in speakers are automatically turned off.

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Q: System cannot read diskette, hard disk, and/or CD information.

A: Check the following:

- Make sure that you are using the correct type of disc or diskettes. See "Disk drives" on page 20.
- Check if the diskette is formatted correctly. If not, format it again.

Caution: If you reformat a diskette, you will lose all data on it.

- Make sure the diskette or CD is inserted into the drive correctly.
- Check if the CD is clean and not scratched.
- Check your drive by using a good (i.e., undamaged) diskette or a good CD. If your floppy disk drive or CD-ROM drive can not read the information on the good diskette or CD there may be a problem with the drive. Contact your dealer or technical support center for help.

Q: System cannot write diskette and/or hard disk information.

A: Check the following:

- Make sure the diskette or hard disk is not write-protected. See "Disk drives" on page 20.
- Make sure that you are using the correct type of disc or diskette. See "Disk drives" on page 20.
- Check if the diskette is formatted correctly. If not, format it again.

Caution: If you reformat a diskette, you will lose all data on it.

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